

STATE OF CONNECTICUT  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



September 30, 2003

Mr. Don Smith  
Site Assessment Manager  
U.S. EPA Region I  
1 Congress Street  
Suite 1100 (HBS)  
Boston, MA 02114-2023

WATER MANAGEMENT  
NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_  
FILE TYPE \_\_\_\_\_

Re: Pre-CERCLIS Site Screening  
Site Not Recommended for CERCLIS Entry  
David C. Sanford Company  
39 Drouve Street  
Bridgeport, CT 06604

Dear Mr. Smith:

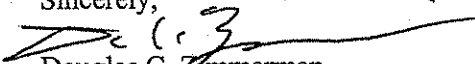
The Connecticut Department of Environmental Protection (DEP) is requesting that the property known as David C. Sanford Company located at 39 Drouve Street in the city of Bridgeport, Connecticut not be considered for entry onto the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) for evaluation under the federal Superfund program. The site is located in Fairfield County at 41° 10' 28.5" N latitude by -73° 11' 15.5" W longitude.

Graham J. Stevens of the South Western District, Remediation Section located the approximate location of the David C. Sanford Company on 39 Drouve Street with mapping available at DEP offices. Drouve Street is no longer in existence. It is probable that this street was eliminated during the rebuilding of Interstate I-95. It is also possible that a portion of Drouve Street now exists beneath the new Bridgeport Minor League Baseball stadium and associated parking. Mr. Stevens verified the absence of Drouve Street, and therefore, there is no indication that the site poses an unacceptable risk to human health or the environment.

U.S. EPA Site Evaluation & Response Section has determined that a removal action is not necessary since the area of the David C. Sanford Company has undergone major reconstruction and Drouve Street is no longer in existence.

Attached is a Pre-CERCLIS Screening Assessment Checklist and a topographic map showing the site location. Please contact me at (860) 424-3800 if you have any questions or comments regarding this request.

Sincerely,

  
Douglas C. Zimmerman  
Supervising Environmental Analyst  
South Western District / Remediation Section  
Planning & Standards Division  
Bureau of Waste Management

DCZ:GJS

Attachments

cc: Graham J. Stevens

(Printed on Recycled Paper)

79 Elm Street • Hartford, CT 06106 - 5127

<http://dep.state.ct.us>

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# PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISION FORM

This checklist can assist the site investigator during the Pre-CERCLIS screening. It will be used to determine whether further steps in the site investigation process are required under CERCLA. Use additional sheets, if necessary.

Checklist Preparer: Graham J. Stevens 8/12/2003  
 (Name/Title) (Date)  
79 Elm Street (860) 424-4166  
 (Address) (Phone)  
Hartford CT 06106  
 (City) (State) (Zip)  
graham.stevens@po.state.ct.us  
 (E-mail)  
 Site Name: David C. Sanford Company

Previous Names: \_\_\_\_\_

Site Location: 39 Drouve Street  
 (Street)  
Bridgeport CT 06604  
 (City) (State) (Zip)

Latitude: 41° 10' 28.5" N Longitude: -73° 11' 15.5" W

Complete the following checklist. If "yes" is marked, please explain below.		YES	NO
1.	Does the site already appear in CERCLIS?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.	Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.	Does the site consist of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.	Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.	Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.	Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7.	Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.	Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance releases have occurred, EPA approved risk assessment completed)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please explain all "yes" answer(s), attach additional sheets, if necessary:

Site Determination: ☐ Enter the site into CERCLIS. Further assessment is recommended (explain below).  
☒ The site is not recommended for placement into CERCLIS (explain below).

**DECISION/DISCUSSION/RATIONALE:**

The David C. Sanford Company filed for dissolution on June 29, 1979. Drouve Street is no longer in existence. Currently, the area that was formerly known as Drouve Street is comprised of a baseball stadium, associated parking garage and surface lots, and a section of I-95. Based on historic review, the most likely location of The David C. Sanford Company's former operations is below what is now I-95. This area was razed for the construction of the highway, which is elevated in this area. This area has undergone more recent reconstruction as I-95 is being modified through Bridgeport.

In a memo dated September 30, 2002, Gary Lisbon of EPA Region 1 concluded that a removal action was not necessary, and the CT DEP concurs. Further, it is unlikely that pollution, which may or may not have been released to the ground by operations conducted by The David C. Sanford Company, poses a threat to human health, and does not require the involvement of EPA under CERCLA.

Regional EPA Reviewer:

Print Name/Signature

Date

State Agency/Tribe:

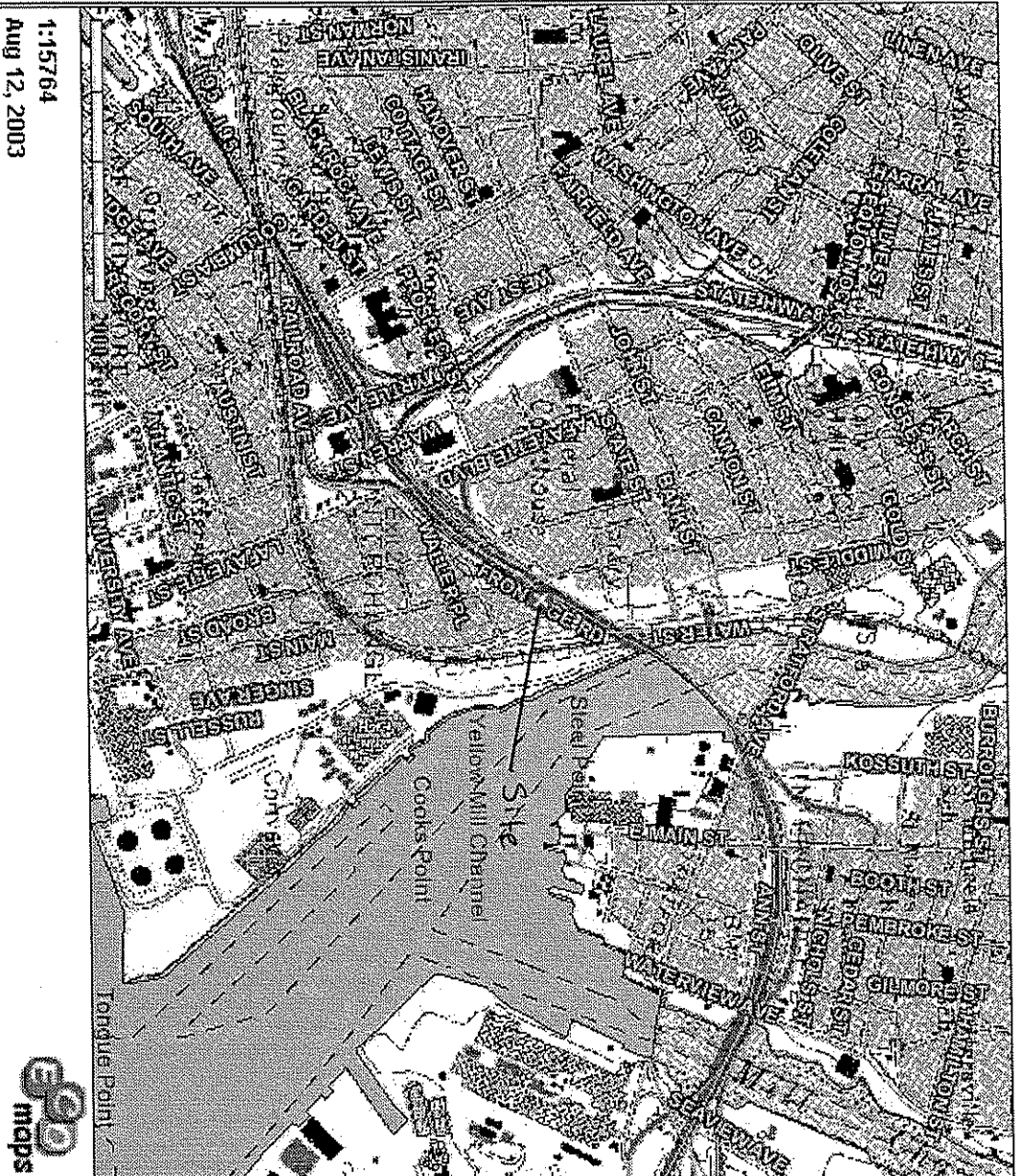
Graham J. Stevens

Print Name/Signature

9/25/03

Date

# The David C. Sanford Company (the "Site")



- Legend**
- Town Lines
  - State
  - Town
  - Coastline
  - Railroads
  - Airports
  - GD Roads (Zip Geocode)
  - Hydrography Lines
  - Water
  - Dredged Channel
  - Dam
  - Aqueduct
  - Hydrography
  - Marsh on Quod
  - Water
  - Intertidal Area
  - Dam
  - Aqueduct
  - USGS Topos



1:15764  
Aug 12, 2003

This map is for illustrative purposes only. Data may not be complete or current.  
Environmental Data and Geographic Exchange

Source(s):  
DEP, GDT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 1  
1 CONGRESS STREET, SUITE 1100  
BOSTON, MASSACHUSETTS 02114-2023

RECEIVED  
OCT 16 2002  
WATER MANAGEMENT BUREAU

September 30, 2002

Graham Stevens  
PERD  
Bureau of Water Management  
CT DEP  
79 Elm Street  
Hartford, CT 06106

Dear Graham:

Please find enclosed a Site Investigation Closure Memorandum. This memo refers to the address we were looking for where the new baseball stadium and access ramp to I-95 now exists. The outcome of this assessment is that a removal action is not warranted. In addition, I will also be going down to Stratford on Friday, October 18<sup>th</sup> to look at the Surf Metal facility. This is the place we were looking for at the airport. Our contractor research indicates that it is still an active facility at 460 Lordship Boulevard. It appears that Great Meadow Road was renamed to Lordship Boulevard. I will let you know how that visit turns out.

If you have any questions in regard to this memo or impending site visit, please call me at (617) 918-1274.

Thank you,

A handwritten signature in black ink, appearing to read "Gary Lipson".

Gary Lipson, OSC  
EPA



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 1  
1 CONGRESS STREET, SUITE 1100  
BOSTON, MASSACHUSETTS 02114-2023

RECEIVED

OCT 16 2002

WATER MANAGEMENT BUREAU

MEMORANDUM

DATE: September 30, 2002

SUBJ: Site Investigation Closure  
39 Drouve Street, Bridgeport, CT

FROM: Gary Lipson, On-Scene Coordinator *GL*  
Site Evaluation & Response Section II, OSRR

TO: Connecticut Smelter File, 39 Drouve Street Site

THRU: Steven Novick, Section Chief *SN*  
Site Evaluation & Response Section II, OSRR

The United States Environmental Protection Agency (EPA), Region 1, has been investigating a number of properties throughout New England, identified to us as historic Lead Smelters and/or Babbitt and Solder Manufacturers. The study that initially identified these properties was part of a doctoral thesis conducted at George Mason University in Virginia and released in the American Public Health Journal. The study did not definitively say that the properties were contaminated, but that the potential was there. One of these properties is listed as 39 Drouve Street in Bridgeport, CT which was the focus of this preliminary assessment.

In accordance with section 300.400 of the NCP, a Removal Site Evaluation, consisting of a Preliminary Assessment and/or Site Investigation (FA/SI), has been undertaken for the 39 Drouve Street Site in Bridgeport, CT. The findings of the Removal Site Evaluation, documented in the site file, have been evaluated under the criteria set forth in section 300.415 of the NCP and section 104(a), (b) of CERCLA, 42 U.S.C. § 9604(a), (b). The Removal Site Evaluation has led to the determination that a Removal Action is not appropriate at this time.

The findings of the Removal Site Evaluation are as follows:

1. Source and nature of the release or threat of release:

- a. Please refer to the site file entitled "Connecticut Smelter, 39 Drouve Street Site" which includes: data, photographs, and correspondence.

- b. The major hazardous substances, pollutants, and/or contaminants that are being released or for which there is threat of release:

Substances

Media

Lead

Soil

Unknown heavy metals

Soil

2. Evaluation of the threat to public health, welfare and the environment:

- a. Federal Agency for Toxic Substances and Disease Registry  
(via MA Department of Public Health):

Threat \_\_\_\_\_ No Threat \_\_\_\_\_ Evaluation   x    
Not Necessary

- b. Endangerment to the ecosystem:

Threat \_\_\_\_\_ No Threat \_\_\_\_\_ Evaluation   x    
Not Necessary

3. The Removal Site Evaluation was terminated pursuant to section 300.410(e) of the NCP for the following reason(s):

- ( ) There is no release.
- ( ) The source is neither a "vessel" nor a "facility" as defined in section 300.5 of the NCP.
- ( ) The release involves neither a hazardous substance, nor a pollutant or contaminant that may present an imminent and substantial danger to public health or welfare.
- ( ) The amount, quantity, or concentration released does not warrant Federal response.
- ( ) The release consists of a situation specified in section 300.400(b) subject to limitations on response.
- ( ) A party responsible for the release, or any other person, is providing appropriate response, and on-scene monitoring by the government is not required.
- (X) The Removal Site Evaluation is complete.

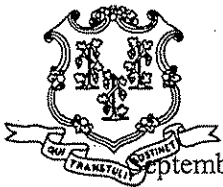
4. This Site was documented as the previous location for the David C. Sanford Co. I could not find this address on any map sources I tried. DEP personnel found it through their internal GIS programming. Our site visit showed it to be in an area that has undergone major reconstruction. Drouve Street is no longer in existence. The entire section has been razed and the new Bridgeport Minor League Baseball Stadium, associated parking, and a new section of I-95 are now there. No further action is warranted. The title search by an EPA contractor does not change that opinion. The following factors were considered in determining that a removal action is not appropriate pursuant to section 300.415(b)(2) of the NCP:

- ( ) Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances or pollutants or contaminants;
- ( ) Actual or potential contamination of drinking water supplies or sensitive ecosystems;
- ( ) Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release;
- ( ) High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface, that may migrate;
- ( ) Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released;
- ( ) Threat of fire or explosion;
- ( ) The availability of other appropriate Federal or State response mechanisms to respond to the release; and
- ( ) Other situations or factors that may pose threats to public health or welfare or the environment.

5. The conditions specified in Section 4. above suggest that a Removal Action under section 300.415 of the NCP is not necessary.

cc: Steve Novick, Chief, EPA Site Evaluation & Response Section II  
Chet Janowski, Acting Chief, EPA Technical Support and Site Assessment  
Cheryl O'Halloran, EPA CERCLIS Coordinator  
Paul Jameson, CT DEP, Environmental Analyst





STATE OF CONNECTICUT  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



September 30, 2003

Mr. Don Smith  
Site Assessment Manager  
U.S. EPA Region I  
1 Congress Street  
Suite 1100 (HBS)  
Boston, MA 02114-2023

Re: Pre-CERCLIS Site Screening  
Site Not Recommended for CERCLIS Entry  
David C. Sanford Company  
39 Drouve Street  
Bridgeport, CT 06604

Dear Mr. Smith:


The Connecticut Department of Environmental Protection (DEP) is requesting that the property known as David C. Sanford Company located at 39 Drouve Street in the city of Bridgeport, Connecticut not be considered for entry onto the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) for evaluation under the federal Superfund program. The site is located in Fairfield County at 41° 10' 28.5" N latitude by -73° 11' 15.5" W longitude.

Graham J. Stevens of the South Western District, Remediation Section located the approximate location of the David C. Sanford Company on 39 Drouve Street with mapping available at DEP offices. Drouve Street is no longer in existence. It is probable that this street was eliminated during the rebuilding of Interstate I-95. It is also possible that a portion of Drouve Street now exists beneath the new Bridgeport Minor League Baseball stadium and associated parking. Mr. Stevens verified the absence of Drouve Street, and therefore, there is no indication that the site poses an unacceptable risk to human health or the environment.

U.S. EPA Site Evaluation & Response Section has determined that a removal action is not necessary since the area of the David C. Sanford Company has undergone major reconstruction and Drouve Street is no longer in existence.

Attached is a Pre-CERCLIS Screening Assessment Checklist and a topographic map showing the site location. Please contact me at (860) 424-3800 if you have any questions or comments regarding this request.

Sincerely,

  
Douglas C. Zimmerman  
Supervising Environmental Analyst  
South Western District / Remediation Section  
Planning & Standards Division  
Bureau of Waste Management

DCZ:GJS

Attachments

cc: Graham J. Stevens

(Printed on Recycled Paper)

79 Elm Street • Hartford, CT 06106 - 5127

<http://dep.state.ct.us>

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# PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISION FORM

This checklist can assist the site investigator during the Pre-CERCLIS screening. It will be used to determine whether further steps in the site investigation process are required under CERCLA. Use additional sheets, if necessary.

**Checklist Preparer:** Graham J. Stevens 8/12/2003  
 (Name/Title) (Date)  
79 Elm Street (860) 424-4166  
 (Address) (Phone)  
Hartford CT 06106  
 (City) (State) (Zip)  
graham.stevens@po.state.ct.us  
 (E-mail)

**Site Name:** David C. Sanford Company

**Previous Names:** \_\_\_\_\_

**Site Location:** 39 Drouve Street  
 (Street)  
Bridgeport CT 06604  
 (City) (State) (Zip)

**Latitude:** 41° 10' 28.5" N **Longitude:** -73° 11' 16.5" W

Complete the following checklist. If "yes" is marked, please explain below.

		YES	NO
1.	Does the site already appear in CERCLIS?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.	Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.	Does the site consist of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.	Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.	Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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7.	Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.	Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance releases have occurred, EPA approved risk assessment completed)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please explain all "yes" answer(s), attach additional sheets, if necessary:

\_\_\_\_\_

Site Determination: ☐ Enter the site into CERCLIS. Further assessment is recommended (explain below).  
☒ The site is not recommended for placement into CERCLIS (explain below).

**DECISION/DISCUSSION/RATIONALE:**

The David C. Sanford Company filed for dissolution on June 29, 1979. Drouve Street is no longer in existence. Currently, the area that was formerly known as Drouve Street is comprised of a baseball stadium, associated parking garage and surface lots, and a section of I-95. Based on historic review, the most likely location of The David C. Sanford Company's former operations is below what is now I-95. This area was razed for the construction of the highway, which is elevated in this area. This area has undergone more recent reconstruction as I-95 is being modified through Bridgeport.

In a memo dated September 30, 2002, Gary Lispon of EPA Region 1 concluded that a removal action was not necessary, and the CT DEP concurs. Further, it is unlikely that pollution, which may or may not have been released to the ground by operations conducted by The David C. Sanford Company, poses a threat to human health, and does not require the involvement of EPA under CERCLA.

Regional EPA Reviewer:

Print Name/Signature

Date

State Agency/Tribe:

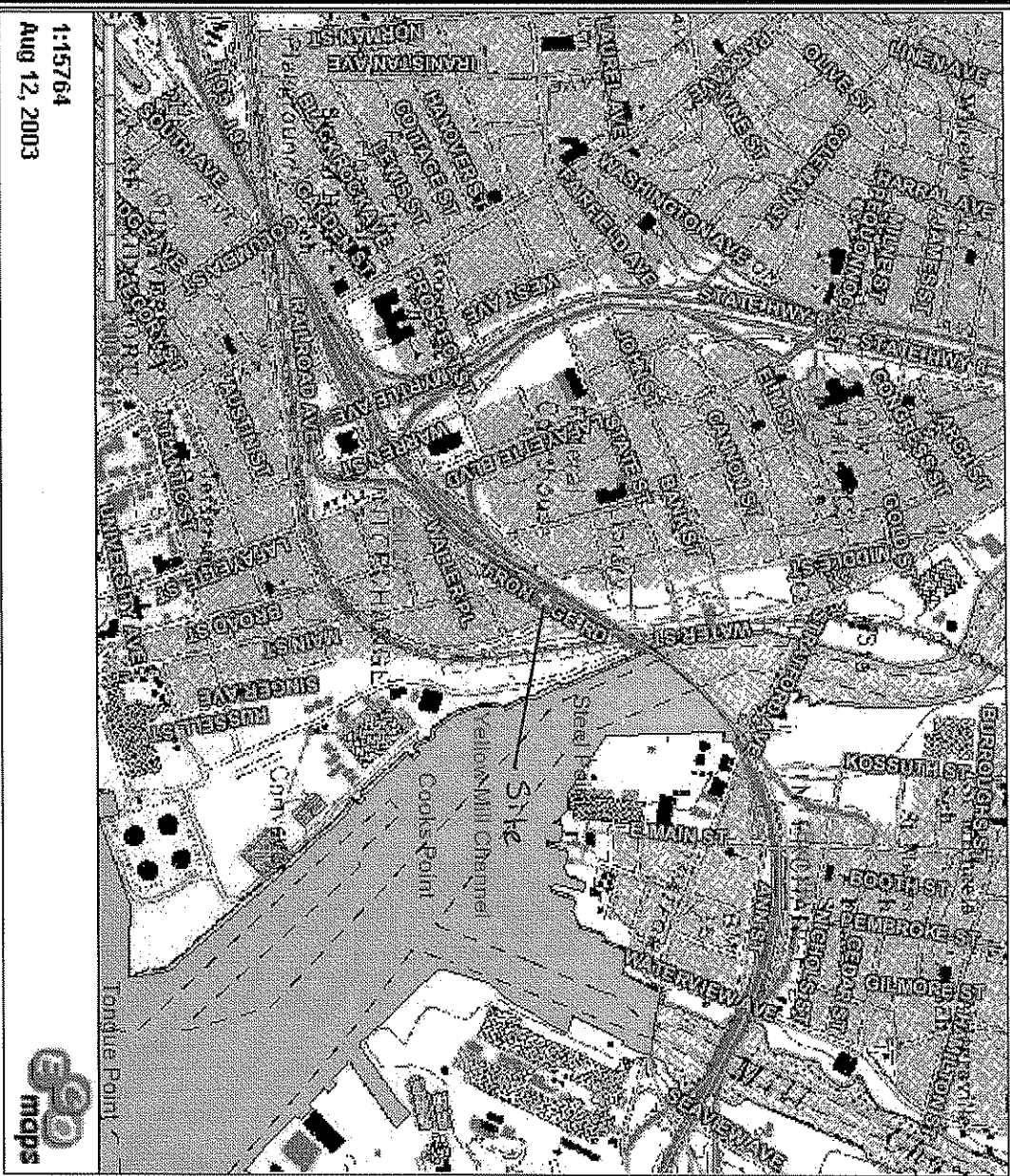
Graham J. Stevens

Print Name/Signature

9/25/03

Date

# The David C. Sanford Company (the "Site")



## Legend

- State
- Town
- Coastline
- Railroads
- Airports
- GDT Roads (Zip Geocode)
- Hydrography Lines
- Water
- Dredged Channels
- Dam
- Aqueduct
- Hydrography
- Marsh on Quad
- Water
- Shaded Areas
- Dam
- Aqueduct
- USGS Topos

This map is for illustrative purposes only. Data may not be complete or current.  
Environmental Data and Geographic Exchange

Source(s):  
DEP, GDT



1:15764  
Aug 12, 2003



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 1  
1 CONGRESS STREET, SUITE 1100  
BOSTON, MASSACHUSETTS 02114-2023

RECEIVED  
OCT 16 2002  
WATER MANAGEMENT BUREAU

September 30, 2002

Graham Stevens  
PERD  
Bureau of Water Management  
CT DEP  
79 Elm Street  
Hartford, CT 06106

Dear Graham:

Please find enclosed a Site Investigation Closure Memorandum. This memo refers to the address we were looking for where the new baseball stadium and access ramp to I-95 now exists. The outcome of this assessment is that a removal action is not warranted. In addition, I will also be going down to Stratford on Friday, October 18<sup>th</sup> to look at the Surf Metal facility. This is the place we were looking for at the airport. Our contractor research indicates that it is still an active facility at 460 Lordship Boulevard. It appears that Great Meadow Road was renamed to Lordship Boulevard. I will let you know how that visit turns out.

If you have any questions in regard to this memo or impending site visit, please call me at (617) 918-1274.

Thank you,

A handwritten signature in cursive script, appearing to read "Gary Lipson".

Gary Lipson, OSC  
EPA



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 1  
1 CONGRESS STREET, SUITE 1100  
BOSTON, MASSACHUSETTS 02114-2023

RECEIVED

OCT 16 2002

WATER MANAGEMENT BUREAU

MEMORANDUM

DATE: September 30, 2002

SUBJ: Site Investigation Closure  
39 Drouve Street, Bridgeport, CT

FROM: Gary Lipson, On-Scene Coordinator *GL*  
Site Evaluation & Response Section II, OSRR

TO: Connecticut Smelter File, 39 Drouve Street Site

THRU: Steven Novick, Section Chief *SN*  
Site Evaluation & Response Section II, OSRR

The United States Environmental Protection Agency (EPA), Region 1, has been investigating a number of properties throughout New England, identified to us as historic Lead Smelters and/or Babbitt and Solder Manufacturers. The study that initially identified these properties was part of a doctoral thesis conducted at George Mason University in Virginia and released in the American Public Health Journal. The study did not definitively say that the properties were contaminated, but that the potential was there. One of these properties is listed as 39 Drouve Street in Bridgeport, CT which was the focus of this preliminary assessment.

In accordance with section 300.400 of the NCP, a Removal Site Evaluation, consisting of a Preliminary Assessment and/or Site Investigation (PA/SI), has been undertaken for the 39 Drouve Street Site in Bridgeport, CT. The findings of the Removal Site Evaluation, documented in the site file, have been evaluated under the criteria set forth in Section 300.415 of the NCP and section 104(a), (b) of CERCLA, 42 U.S.C. § 9604(a), (b). The Removal Site Evaluation has led to the determination that a Removal Action is not appropriate at this time.

The findings of the Removal Site Evaluation are as follows:

1. Source and nature of the release or threat of release:

- a. Please refer to the site file entitled "Connecticut Smelter, 39 Drouve Street Site" which includes: data, photographs, and correspondence.

- b. The major hazardous substances, pollutants, and/or contaminants that are being released or for which there is threat of release:

<u>Substances</u>	<u>Media</u>
Lead	Soil
Unknown heavy metals	Soil

2. Evaluation of the threat to public health, welfare and the environment:

- a. Federal Agency for Toxic Substances and Disease Registry (via MA Department of Public Health):

Threat \_\_\_\_\_ No Threat \_\_\_\_\_ Evaluation   x    
Not Necessary

- b. Endangerment to the ecosystem:

Threat \_\_\_\_\_ No Threat \_\_\_\_\_ Evaluation   x    
Not Necessary

3. The Removal Site Evaluation was terminated pursuant to section 300.410(e) of the NCP for the following reason(s):

( ) There is no release.

( ) The source is neither a "vessel" nor a "facility" as defined in section 300.5 of the NCP.

( ) The release involves neither a hazardous substance, nor a pollutant or contaminant that may present an imminent and substantial danger to public health or welfare.

( ) The amount, quantity, or concentration released does not warrant Federal response.

( ) The release consists of a situation specified in section 300.400(b) subject to limitations on response.

( ) A party responsible for the release, or any other person, is providing appropriate response, and on-scene monitoring by the government is not required.

(X) The Removal Site Evaluation is complete.

4. This Site was documented as the previous location for the David C. Sanford Co. I could not find this address on any map sources I tried. DEP personnel found it through their internal GIS programming. Our site visit showed it to be in an area that has undergone major reconstruction. Drouve Street is no longer in existence. The entire section has been razed and the new Bridgeport Minor League Baseball Stadium, associated parking, and a new section of I-95 are now there. No further action is warranted. The title search by an EPA contractor does not change that opinion. The following factors were considered in determining that a removal action is not appropriate pursuant to section 300.415(b)(2) of the NCP:

- ( ) Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances or pollutants or contaminants;
- ( ) Actual or potential contamination of drinking water supplies or sensitive ecosystems;
- ( ) Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release;
- ( ) High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface, that may migrate;
- ( ) Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released;
- ( ) Threat of fire or explosion;
- ( ) The availability of other appropriate Federal or State response mechanisms to respond to the release; and
- ( ) Other situations or factors that may pose threats to public health or welfare or the environment.

5. The conditions specified in Section 4. above suggest that a Removal Action under section 300.415 of the NCP is not necessary.

cc: Steve Novick, Chief, EPA Site Evaluation & Response Section II  
Chet Janowski, Acting Chief, EPA Technical Support and Site Assessment  
Cheryl O'Halloran, EPA CERCLIS Coordinator  
Paul Jameson, CT DEP, Environmental Analyst



Copies of relevant corporate documents/information on the Surf Metal Company and the current deed for 460 Lordship Boulevard, Stratford, CT are contained in Appendix P.

***David C. Sanford Company, 39 Drouve Street, Bridgeport, CT***

According to the information contained in the Connecticut on-line database, the David C. Sanford Company was incorporated on February 3, 1938 and dissolved on June 29, 1979. The Company's mailing address is listed as:

515 State Street Ext.  
Fairfield, CT 06430

The TDD identified the address for the David C. Sanford Company as 39 Drouve Street, Bridgeport, CT. However, according to the Bridgeport City Clerk, 39 Drouve Street no longer exists. Based on review of the current Bridgeport Tax Assessors Map and the circa 1955 Bridgeport Tax Assessors Map, START believes the property currently lies underneath the elevated Interstate 95 roadway (i.e., in the I-95 easement) in the vicinity of Water Street. Some or all of the property may also be on or about the property known as Parcel 961-14, which is owned by the City of Bridgeport.

Copies of relevant corporate documents/information on the David C. Sanford Company, the current deed for Parcel 961-14, the current Tax Assessors Map showing the approximate location of the property and the circa 1955 Tax Assessors Map showing 39 Drouve Street are contained in Appendix Q.

***Lapides Metal Corporation, 322 Legion Ave., New Haven, CT***

According to the information contained in the Connecticut on-line database, the Lapides Metal Corporation was incorporated on June 15, 1931 as the Crown Office Equipment Company. On July 2, 1934, the name of the company was changed from the Crown Office Equipment Company to the Lapides Metal Corporation. The Lapides Metal Corporation was dissolved on September 12, 1979.

The Company's mailing address was listed as:

P.O. Box 1502  
New Haven, CT 06513

The Company's Agent was Mr. Abe Lapides. Mr. Lapides' business address was given as:

322 Legion Avenue

**Appendix Q**

**Information/Documents for the David C. Sanford Company, Deed for Parcel  
961-14, and Tax Maps for location of 39 Drouve Street**

SS6V

CONCORD  
VALIDATE NAME FOR INQUIRY

04/18/2002  
10:50:30

1 OF 1

NAME DAVID C SANFORD

S

0012844

DAVID C. SANFORD COMPANY, THE

DISSOLVED

ENTER "S" TO MAKE A SELECTION FOR PROCESSING  
PF: 1-HELP 3-END 12-MENU

Enter

Clear

PF1

PF2

PF3

PF4

PF5

PF6

PF7

PF8

PF12

Sign off of the Concord system

SS1D

CONCORD

04/18/2002

CORPORATE INQUIRY SUB MENU

10:51:29

BUSINESS NAME: DAVID C. SANFORD COMPANY, THE

BUSINESS ID: 0012844

BUSINESS STATUS: DISSOLVED DOMESTIC STOCK

MENU SELECTION: ☐

1. DISPLAY BUSINESS ADDRESS DETAIL
2. DISPLAY FILING HISTORY
3. DISPLAY NAME CHANGE HISTORY
4. DISPLAY AGENT
5. DISPLAY SHARES
6. DISPLAY PRINCIPALS
7. DISPLAY BUSINESS SUMMARY

PF: 1-HELP 3-END 12-MENU

Enter Clear

PF1 PF2 PF3 PF4 PF5 PF6 PF7 PF8 PF12

Sign off of the Concord system

SS0X

CONCORD

04/18/2002

DISPLAY CORPORATION ADDRESS DETAIL

10:52:22

DAVID C. SANFORD COMPANY, THE

BUSINESS ID: 0012844 ORGANIZATION MEETING DATE:

PRINCIPAL STREET:

PLACE OF

BUSINESS

CITY:

STATE:

ZIP:

COUNTRY:

MAILING STREET: 515 STATE STREET EXT  
ADDRESS

CITY: FAIRFIELD

STATE:

CT ZIP: 06430

COUNTRY:

PF: 1-HELP 3-END 12-MENU

Enter

Clear

PF1

PF2

PF3

PF4

PF5

PF6

PF7

PF8

PF12

Sign-off of the Concord system

SS14

CONCORD  
DISPLAY FILING HISTORY04/18/2002  
10:52:51

1 OF 2

DAVID C. SANFORD COMPANY, THE

BUSINESS ID: 0012844

FILING NUMBER	FILING DATE/TIME EFFECTIVE DATE/TIME	FILING TYPE	VOL	ST	NBR OF PG	PAGES
0000244227	00:00 AM	REPORT (1979)				0
0000244223	FEB 03 1938 00:00 AM	INCORPORATION	02540	C 0093		0
0000244224	FEB 18 1938 00:00 AM	ORG REPORT	02540	C 0165		0
0000244222	JUL 01 1974 00:00 AM	ADDRESS	08560	C 0544		0
0000244225	JUL 07 1978 00:00 AM	ADDRESS	09430	C 1013		0

PF: 1-HELP 3-END 5-BOT 8-FWD 12-MENU

Enter

Clear

PF1

PF2

PF3

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PF8

PF12

Sign off of the Concord system

SS14

CONCORD  
DISPLAY FILING HISTORY

04/18/2002  
10:53:03

2 OF 2

DAVID C. SANFORD COMPANY, THE

BUSINESS ID: 0012844

FILING NUMBER	FILING DATE/TIME EFFECTIVE DATE/TIME	FILING TYPE	VOL	ST	NBR OF PG PAGES
0000244226	JUN 29 1979 00:00 AM	DISSOLUTION	09530 C	2640	0

PF: 1-HELP 3-END 4-TOP 7-BKWD 12-MENU

Enter Clear

1 PF2 PF3 PF4 PF5 PF6 PF7 PF8 PF12

Sign-off of the Concord system

SS15

CONCORD  
DISPLAY NAME CHANGE HISTORY

04/18/2002  
10:53:43



OF

BUSINESS ID:

OLD NAME

FILING NBR      DATE

NO DATA TO DISPLAY FOR THIS QUERY

PF: 1-HELP   3-END   12-MENU

Enter   Clear

PF1   PF2   PF3   PF4   PF5   PF6   PF7   PF8   PF12

Sign-off of the Concord system



SS13

CONCORD

04/18/2002

DISPLAY AGENT

10:53:56

INESS ID:  
AGENT NAME:

0012844  
WILLIAM COMPARATO

AGENT TYPE: IND: BUS: SOS:

BUSINESS STREET:

ADDRESS 334 TESINY AVE

CITY: BRIDGEPORT

STATE: CT ZIP: -

COUNTRY:

RESIDENT STREET:

ADDRESS 334 TESINY AVE

CITY: BRIDGEPORT

STATE: CT ZIP: -

COUNTRY:

PF: 1-HELP 3-END 12-MENU

Enter Clear

PF1 PF2 PF3 PF4 PF5 PF6 PF7 PF8 PF12

Sign-off of the Concord system

SS17

CONCORD  
DISPLAY SHARES

04/18/2002  
10:54:12

1 OF 1

DAVID C. SANFORD COMPANY, THE

BUSINESS ID:	0012844	TOTAL AUTHORIZED SHARES:	200
	CLASS	NBR OF SHARES	PAR VALUE
	0000000200	0	100.00
	NO DATA FROM CONVERSION	0	

PF: 1-HELP 3-END 12-MENU

Enter Clear

PF1 PF2 PF3 PF4 PF5 PF6 PF7 PF8 PF12

Sign off of the Concord system

SS18

CONCORD  
DISPLAY PRINCIPALS

04/18/2002  
10:54:26

1 OF 1

DAVID C. SANFORD COMPANY, THE

BUSINESS ID: 0012844

S=SELECT

OFFLINE PRINCIPALS:

PRINCIPAL NAME	PRINCIPAL TITLE
----------------	-----------------

NO DATA TO DISPLAY FOR THIS QUERY

PF: 1-HELP 2-PRIN ADDR 3-END 12-MENU

Enter

Clear

PF1

PF2

PF3

PF4

PF5

PF6

PF7

PF8

PF12

Sign off of the Concord system

SS2P

CONCORD

04/18/2002

DISPLAY BUSINESS SUMMARY

10:54:43

BUSINESS NAME: DAVID C. SANFORD COMPANY, THE

BUSINESS ID: 0012844

STATUS: DISSOLVED CITIZEN: DOMESTIC TYPE: STOCK  
STATE OF INC: CT DATE OF INC: FEB 03 1938 ORIGIN: REGULAR  
LAST REPORT: REPORT(1979) TOTAL SHARES: 200  
AGENT NAME: WILLIAM COMPARATO  
NAME CHANGES: N

PF: 1-HELP 3-END 12-MENU

Enter Clear

PF1 PF2 PF3 PF4 PF5 PF6 PF7 PF8 PF12

Sign-off of the Concord system

018506

QUIT CLAIM DEED

BK 951 PG 055

## TO ALL PEOPLE TO WHOM THESE PRESENTS SHALL COME, GREETING:

KNOW YE, THAT MWJ CORPORATION, a corporation organized and existing under the laws of the State of Connecticut, having an address c/o Leonard Blum, Esq., 2425 Post Road, Southport, CT 06490, herein designated as the Releasor, for good and valuable consideration received to Releasor's full satisfaction from THE CITY OF BRIDGEPORT, and as a Gift to THE CITY OF BRIDGEPORT, having an address at 45 Lyon Terrace, Bridgeport, Connecticut 06604, herein designated as the Releasee, does by these presents gift, remise, release and forever Quit Claim unto the said Releasee and to the Releasee's heirs, successors and assigns forever, all the right, title, interest, claim and demand whatsoever as the said Releasor has or ought to have in or to:

All those certain pieces or parcels of land, together with the buildings and improvements thereon standing, situated in the City of Bridgeport, County of Fairfield and State of Connecticut, being known and designated as "510, 583, 567, 557, 517 Main Street; 654, 652, 624-44 Broad Street and 32 Houston Street, all real property consisting of the site known as Jenkins Valve collectively", and more particularly bounded and described in Schedule A attached hereto and made a part hereof.

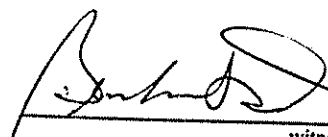
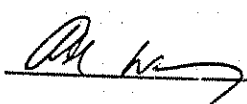
TO HAVE AND TO HOLD the premises with all the appurtenances unto the said Releasee and to the Releasee's successors and assigns forever, so that neither the Releasor nor the Releasor's heirs nor any other person claiming under or through the Releasor shall hereafter have any claim, right or title in or to the premises or any part thereof, but therefrom the Releasor and they are by these presents, forever barred and excluded.

In all references herein to any parties, persons, entities or corporations, the use of any particular gender or the plural or singular number is intended to include the appropriate gender or number as the text of the within instrument may require.

NOTE: This Deed replaces a prior Deed delivered by the Releasor to the Releasee on 2/27 1997.

IN WITNESS WHEREOF, the said Releasor has signed and sealed this instrument, this 25 day of July 1997.

Signed, Sealed and Delivered in the Presence of:

  
witness  
  
witness

MWJ CORPORATION

By: 

Name: Donald J. Trump  
Title: President  
hereunto duly authorized

STATE OF NEW YORK

COUNTY OF NEW YORK

) ss. New York

July 26, 1997

Personally appeared Donald J. Trump, duly authorized as PRESIDENT of MWJ Corporation, signer and sealer of the foregoing instrument and acknowledged the same to be the free act and deed of said Corporation, and his/her free act and deed as such officer, before me.

Kathleen Davies

Notary Public  
My Commission Expires:

KATHLEEN DAVIES  
NOTARY PUBLIC, State of New York  
Qualified in Orange County  
No. 4792694  
My Commission Expires Oct. 31, 1999

(seal)

CONVEYANCE TAX RECEIVED  
CITY STATE  
BRIDGEPORT TOWN CLERK'S OFFICE

g:\data\trumpgen\mwj\qcd.bpt

**SCHEDULE A  
LEGAL DESCRIPTION**

All that certain real property, situated in the City of Bridgeport, County of Fairfield and State of Connecticut being shown and designated as Parcel A, Parcel B and Parcel C on a certain map entitled, "Boundary Map of Property Located on Water Street, Main Street, Houston Street and Broad Street, Bridgeport, Connecticut Prepared for Jenkins Brothers, Inc.", dated June 21, 1984 revised June 27, 1984 and June 27, 1985 made by J & D Casper & Associates Engineers, Surveyors, and Planners and on file in the Bridgeport Town Clerk's Office in Map Book 50 at Page 83.

Together with rights and conditions as set forth in Volume 508 at Page 31 and at Page 35 of the Bridgeport Land Records.

Being the same premises conveyed to South Gate Associates Limited Partnership by Warranty Deed dated May 1, 1987 and recorded in Volume 2284 at Page 252 of the Bridgeport Land Records.

Also intending to convey hereby all right, title and interest of the Releasor in and to all real property together with the buildings and improvements thereon located to the North of Parcel A as shown on the above referred map (but no further North than South Avenue) and between Parcel A and property now or formerly of Textron, Inc.

Being the same premises conveyed to the Releasor as recorded in Volume 3345, Page 059 of the Bridgeport Land Records.

In addition to all other matters affecting the property, the subject property is being conveyed subject to and the Releasee assumes responsibility for the following:

1. Any and all real estate taxes and Water Pollution Control Authority charges due and payable or to be due and payable against the above described property including all principal, interest and lien fees.
2. The environmental status and condition of the above described property and all rules, regulations and orders of all governmental agencies or departments, environmental or otherwise having jurisdiction over the above described property.

BRIDGEPORT, CONN.  
LAND RECORDS  
REC'D FOR RECORD FILING  
ON 7/21/98 AT 10:56 AM  
ATTEST: (Signature)  
HECTOR DIAZ, TOWN CLERK

*cc. Th Reed*

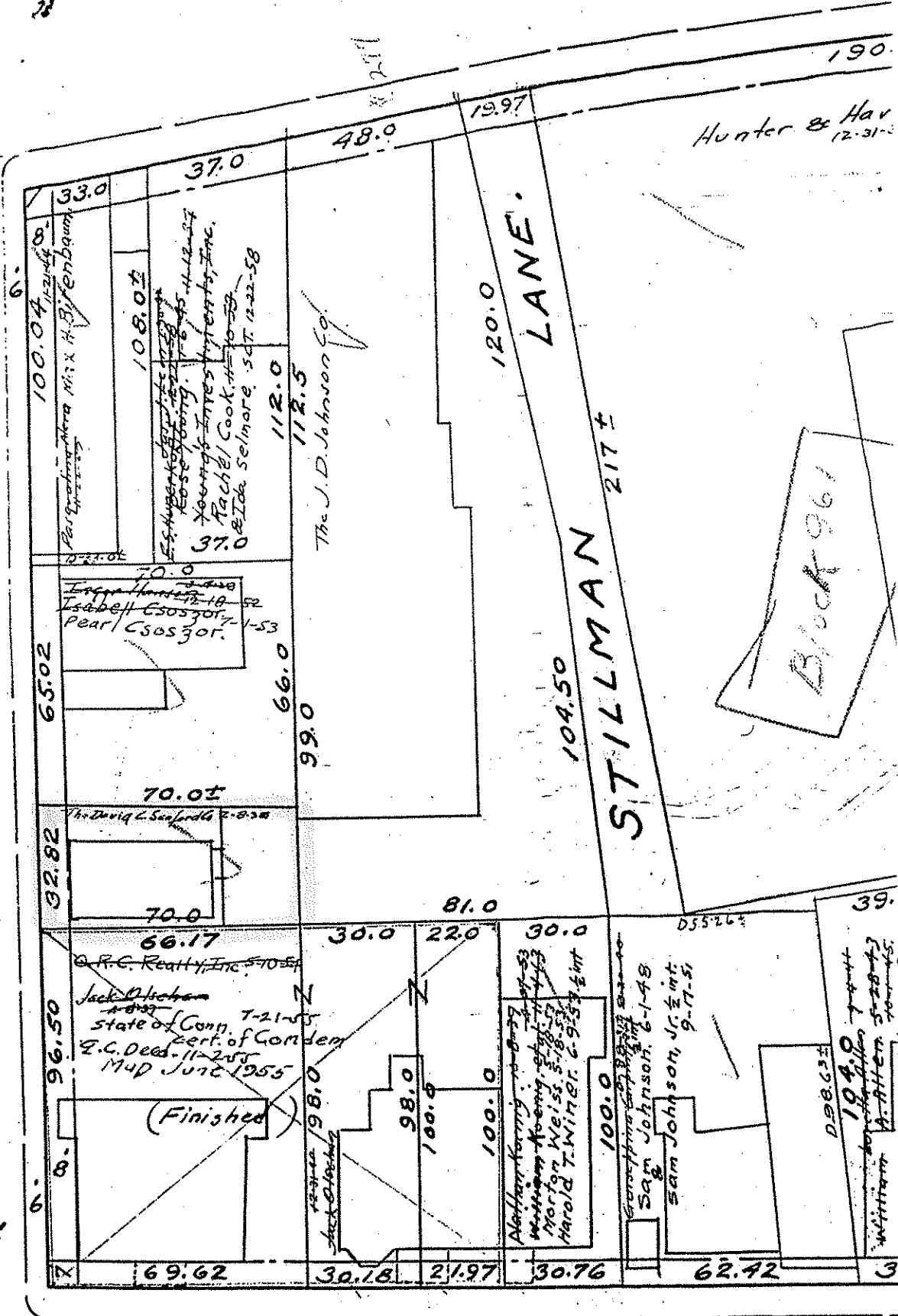
William A. Allen 5-28-73 10-1-75

Bridgeport-Hydraulic Co.

106.34 D. 117-10  
 0106.33  
 Massachusetts  
 Signature  
 Edward E. E. 1-29-46  
 Attorney General  
 State of Conn. cert of 9-30  
 Oct 1954 Map. Condemnation  
 20106.32  
 2-106.00 Finished  
 0-106.32  
 0-62.00  
 60.88  
 60.1

73.68  
62.1

33' 33' S T. 33' 33' D R O U V E



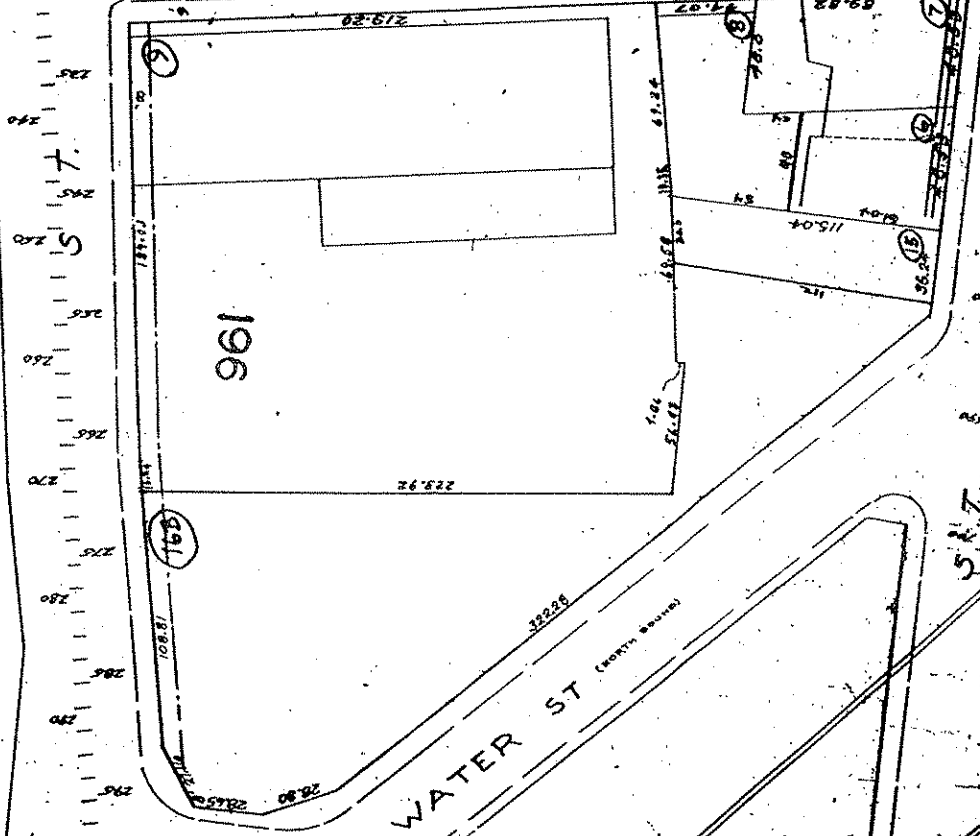
ST.

534

5-14

9-14

1443.84



963

960

WATER ST (NORTH BRIDGE)

WATER ST (SOUTH BRIDGE)

959

9-13



**39 Drouve Street, Bridgeport**  
Possible Lead Smelter Location



- To
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1:3941

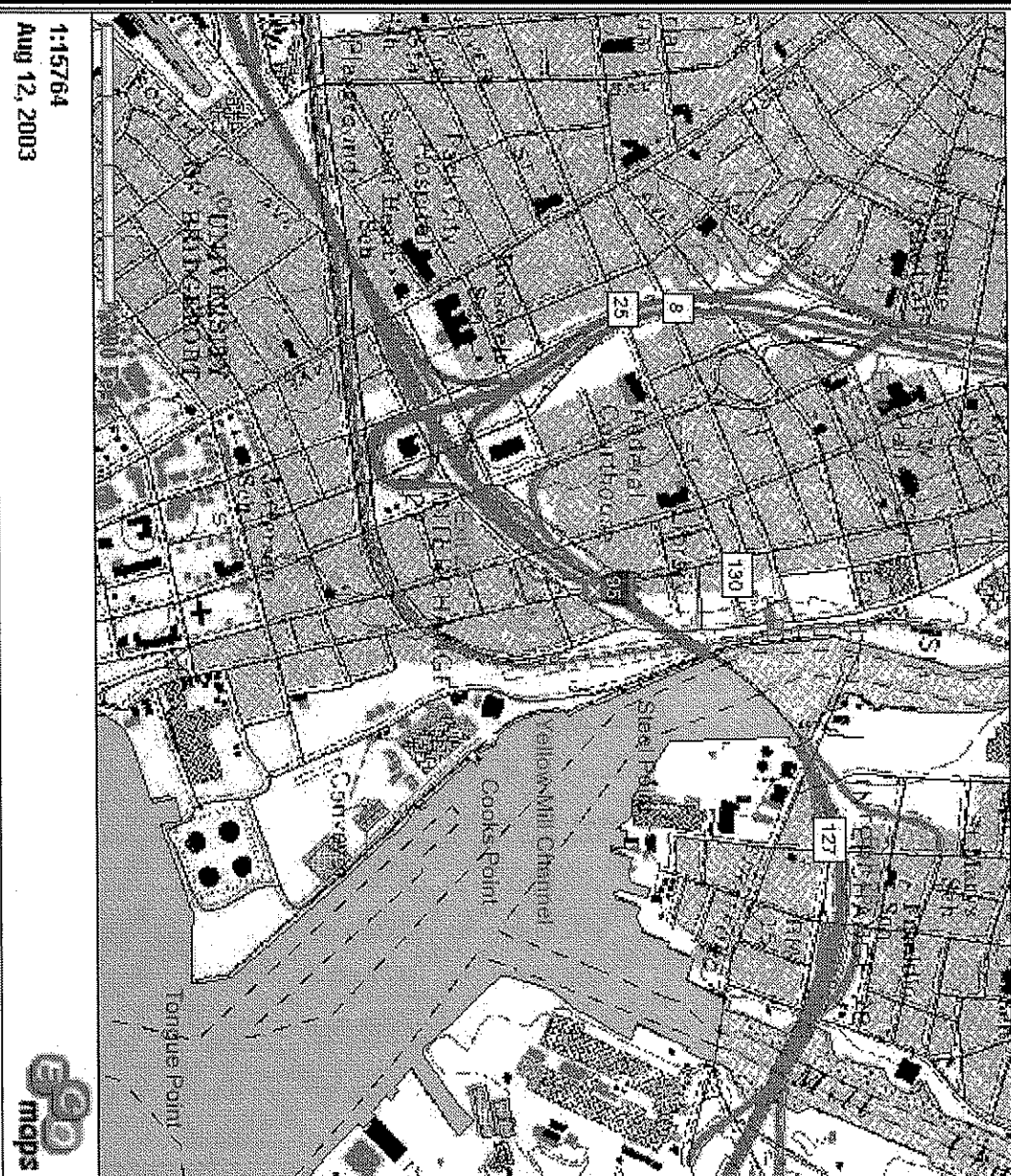
Feb 1, 2002



This map is for illustrative purposes only. Data may not be complete or current.  
Environmental Data and Geographic Exchange

Source(s)  
DEP, GD

# The David C. Sanford Company



1:15764  
Aug 12, 2003

This map is for illustrative purposes only. Data may not be complete or current.  
Environmental Data and Geographic Exchange

- Legend**
- Town Lines
    - State
    - Town
    - County
  - Railroads
  - Airports
  - Roads
  - Major Route
  - Local or Unpaved
  - Trail
  - Hydrography Lines
    - Water
    - Dredged Channels
    - Dam
    - Aqueduct
  - Hydrography
    - Marsh on Quilt
    - Wetland
    - Wetland Area
    - Dam
    - Aqueduct
    - USGS Topos

Source(s):  
DEP, DEP/DOT

RECEIVED

JUN 07 2002

WATER MANAGEMENT BUREAU

Dear Paul:

Here is the info you requested as provided by our contractor who did the deed/title searches for the CT 'smelter' properties. Quite frankly, I don't know what most of the paperwork is - some kind of printout of computer sheets regarding the properties. Regardless, I don't think they are real important for what we are looking for.

Please give me a call when you folks have had a chance to look at the Stratford site and I will let you know when I have something re the Hamden site and when I have looked at the info you are sending me re the New Haven site.

Thanks,

  
Gary

***Coran Bros. Corp., 509 East 2<sup>nd</sup> Street, South Boston, MA***

The Massachusetts Business Entity database does not have a record of the Coran Bros. Corp. However, the database does identify a Coran-Sholes Industries, Inc. located at 509 East 2<sup>nd</sup> Street, South Boston, MA. **This address matches the address listed in the TDD.** The company was organized on December 30, 1947 and is still active.

According to records reviewed at the Boston City Hall, the current owner of the property at 509 East 2<sup>nd</sup> Street, South Boston, MA is Francis O. Mulligan. *[Note that Coran-Sholes Industries, Inc. is identified as the Grantor of the property and sold the property to Francis Mulligan on 10/6/2000.]* This property is identified as Parcel 6/3033 and the current deed is recorded in Book 25436 Page 189.

Copies of relevant corporate documents/information on Coran-Sholes Industries, Inc., the current deed for 509 East 2<sup>nd</sup> Street, South Boston, MA, and the Boston Parcel Map for Parcel 6/3033 are contained in Appendix N.

**Connecticut Companies**

Table 2 presents the Connecticut companies for which information was requested, as well as the address identified in the TDD.

**Table 2. Potential Historic Battery Lead Smelter/Babbitt and Solder Manufacturer Sites in Connecticut as Listed in TDD 01-02-04-016**

Company Name	Address Listed in TDD
Hamden Smelting Co., Inc.	30 Edmund Street, Hamden, CT
Surf Metal Co.	240 Great Meadow Road
David C. Sanford Co.	39 Drouve Street, Bridgeport, CT
Lapides Metal Corp.	322 Legion Ave., New Haven, CT

Corporate information on Connecticut companies was obtained via the Connecticut Secretary of the State's on-line Business database ([www.concord.state.ct.us](http://www.concord.state.ct.us)). Ownership information and copies of the current deeds were obtained at the Town Hall of the Town in which each property is located.

***Hamden Smelting Co., Inc., 30 Edmund Street, Hamden, CT***

Based on review of the Connecticut on-line database, The Hamden Smelting Company Incorporated was incorporated on August 9, 1927 and forfeited on October 19, 1990. On

New Haven, CT 06511

According to records reviewed at the New Haven City Hall, the property at 322 Legion Avenue is now known as **130 Orchard Street, New Haven, CT**. The current owner of the property at 130 Orchard Street is the City of New Haven. This property is identified as Parcel 314/0157/00101 and the current deed is recorded in Book 2496 Page 306.

Copies of relevant corporate documents/information on the Lapidus Metal Corporation and the current deed for 130 Orchard Street, New Haven, CT are contained in Appendix R.

### **Rhode Island Company**

#### ***Union Smelting & Refining Works, 358 Public Street, Providence, Rhode Island***

The only Rhode Island company for which information was requested is the Union Smelting & Refining Works. The address given in the TDD is 358 Public Street, Providence, RI.

The Rhode Island Secretary of State Corporations Division does not have any record of a Union Smelting and Refining Works in its on-line Active or Inactive Entity Database ([www.corps.state.ri.us](http://www.corps.state.ri.us)). In addition, a Corporations Division employee reported to START Member Newton that her manual search did not uncover any record of Union Smelting and Refining Works.

Based on records reviewed at the Providence City Hall, 358 Public Street does not exist. As shown in the Providence Tax Assessors map contained in Appendix S, the address of the lot adjacent to 356 Public Street is listed as 362-364 Public Street. Consequently, START copied for the deed for both lots (i.e., 356 Public Street and 362-364 Public Street).

The current owner of the property at 356 Public Street is Burnside/Reynolds Associates. This property is identified as Plat 48 Lot 926 and the current deed is recorded in Book 4894 Page 162.

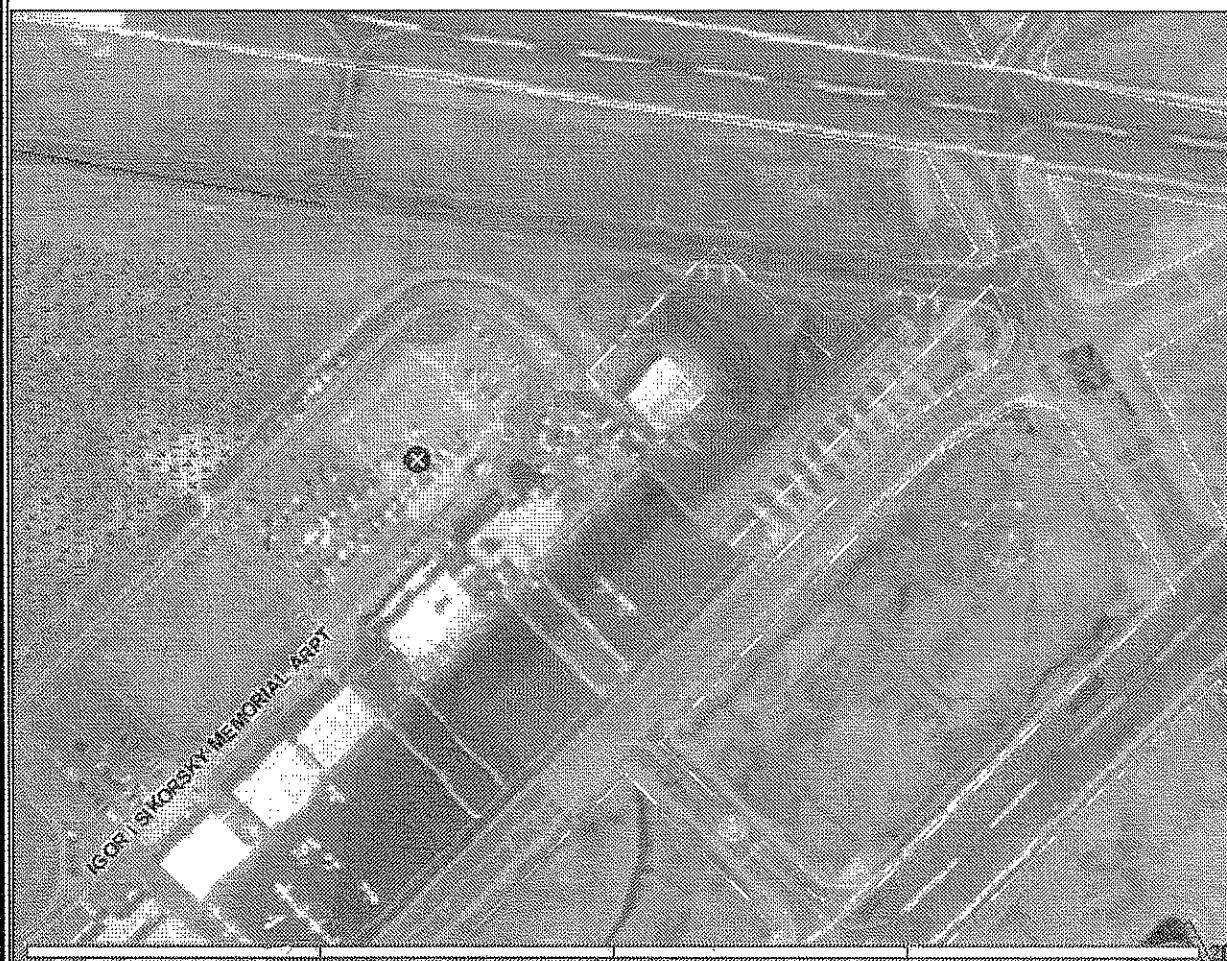
The current owner of the property at 362-364 Public Street is PR Associates. This property is identified as Plat 48 Lot 202 and the current deed is recorded in Book 1239 Page 976.

Copies of relevant corporate documents/information on Union Smelting & Refining Works, the Providence Tax Assessors Map showing 356 Public Street and 362-362 Public Street, and the current deeds for 356 Public Street and 362-362 Public Street, Providence, RI are contained in Appendix S.

### ***Summary of Findings***

Table 3 presents a summary of the results of the research conducted in response to this TDD.

**240 Great Meadow Road, Stratford**  
Possible Lead Smelter



To  
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Aq  
Hy  
Ma  
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Inu  
Dai  
Aq  
US

1:3941  
Feb 1, 2002



This map is for illustrative purposes only. Data may not be complete or current.  
Environmental Data and Geographic Exchange

Source(s)  
DEP, GD

**FAX**

TO: GRAHAM STEVENS  
CT DEP

FAX: 860 424 4057

FROM: GARY LIPSON  
USEPA

phone: 617 918 1274

fax: 617 918 1291

No. of pages to follow: 3

Comments:



GARY Lipson →

(26)

617 918-1274

old lead solder sites

David C. Sanford Company  
mailing address 515 State Street extension  
Fairfield CT.

Incorporated Feb 03, 1938  
Dissolved June 29, 1979



# Discovering Unrecognized Lead-Smelting Sites by Historical Methods

William P. Eckel, MS, Michael B. Rabinowitz, PhD, and Gregory D. Foster, PhD

## ABSTRACT

**Objectives:** Our objective was to enumerate unrecognized former lead smelters in the United States.

**Methods:** Defunct smelters were identified by historical research. The compiled list was compared with government registries of hazardous sites. Soil samples were taken from 10 sites.

**Results:** Approximately 430 sites were unknown to the federal authorities. Only 5 of 319 sites were known to authorities in the top 8 states. Nine of the 10 sites sampled exceeded residential standards for soil lead level.

**Conclusions:** Approximately 430 former lead-smelting sites were unrecognized in the United States. Sampling results indicate that the sites may pose a threat to public health. (*Am J Public Health* 2001;91:625-627.)

In this paper, we used historical sources to identify several hundred sites in the United States where secondary lead smelting was done from 1931 to 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust. The Agency for Toxic Substances and Disease Registry and the Environmental Protection Agency (EPA) have ranked lead as the number one priority hazardous substance at EPA Superfund sites and as a serious public health problem, especially for children.<sup>1,2</sup>

Secondary lead smelting is the recovery of lead metal and alloys from scrap, primarily lead-acid batteries. This industry expanded during the early 20th century to take advantage of this new source of scrap. Because batteries are heavy, and therefore expensive to transport, smelters were located near the largest sources of scrap (i.e., in large cities).<sup>3</sup>

Secondary lead smelting produces several wastes that can contaminate the air and soil.<sup>4-6</sup> Lead concentrations in shallow soil may reach percentage levels (i.e., 1% or more) near smelters and may persist indefinitely.<sup>7</sup> Lead in soil, dust, and residential lead paint (which is correlated with lead in soil and dust) are the primary sources of environmental lead exposure.<sup>8-10</sup>

## Methods

### Data Sources

Historical locations of secondary lead smelters were found in the *Standard Metal Directory*<sup>11</sup> and *Year Book of the American Bureau of Metal Statistics*.<sup>12,13</sup> References 14 through 18 provide information on the structure of the industry.

The regulatory status of sites was determined from the US EPA Facility Index System database and confirmed through Freedom of Information Act requests. State agencies in the 8 states with the largest number of potential unknown smelters were contacted for exhaustive lists of recognized sites<sup>19-23</sup> (also B. P. MacIntosh, California Department of Toxic Substances Control, written communication, April 2000; J. Ogden, Illinois Environmental Protection Agency, written communication, May 1999; D. Dupurec, New York State Department of Environmental Conservation, written communication, April 2000).

The existence of smelters was verified by consulting Sanborn Company fire insurance

maps (viewed at the Library of Congress and the Boston Public Library) or by noting which locations were specified as "plant" or "works" in the *Standard Metal Directory*. We visited 12 sites in Baltimore, Md, and Philadelphia, Pa, and collected soil samples at 8 of those sites. Two sites were investigated by state authorities in California and Indiana<sup>24</sup> (also J. Patel and J. Wakakuwa, California Department of Toxic Substances Control, written communication, June 1996; H. Saebfar, California Department of Toxic Substances Control, written communication to J. B. Myers, RSR Corporation, August 1996, and to S. Berkin, Union Pacific Railroad, September 1996).

## Results

### Secondary Lead Smelter List

We compiled a list of 639 locations where lead smelters operated between 1931 and 1964.<sup>11-13</sup> Potential sites in 6 annual editions of the *Standard Metal Directory* were found in 2 listings: Antimonial (Battery) Lead Smelters and Babbitt and Solder Manufacturers (Babbitt metal is a lead alloy used in wheel bearings). The American Bureau of Metal Statistics list of firms that "comprises the major part of secondary pig lead production" was obtained for 1945 to 1990.<sup>12,13</sup> Sixteen sites that were apparently only office locations were later eliminated.

### Structure of the Secondary Lead Smelting Industry

We collected information on the number of firms in the industry from 1941 to 1994.<sup>15-18</sup> Apparently, "hundreds" of plants were in the business from 1941 to 1942.<sup>15,16</sup> In 1969, 150 firms were reported to be in business.<sup>18</sup> By 1994, the number of firms had declined to fewer than 20 and the number of plants to fewer than 30.<sup>6,14,18</sup>

William P. Eckel is with the Environmental Science-Public Policy Program, George Mason University, Fairfax, Va. Michael B. Rabinowitz is with the Marine Biological Laboratory, Woods Hole, Mass. Gregory D. Foster is with the Department of Chemistry, George Mason University.

Requests for reprints should be sent to William P. Eckel, MS, 321 N Langley St, Alexandria, VA 22304 (e-mail: weckel@gsof1.gmu.edu).

This brief was accepted June 24, 2000.

TABLE 1—Summary of Number of Lead-Smelting Sites, by State

State	Total Sites Compiled	Known to Federal	Known to State	Offices Only	Remaining Sites
New York	94	8	0	5	81
Illinois	82	20	0	3	59
Pennsylvania	69	14	0	2	53
California	56	21	0	0	35
New Jersey	49	17	0	2	30
Massachusetts	34	7	5	1	21
Texas	32	12	0	0	20
Michigan	26	11	0	0	15
Ohio	25	8	...	0	17
Indiana	23	9	...	0	14
Missouri	17	3	...	0	14
Maryland	12	3	...	0	9
Minnesota	10	3	...	0	7
Wisconsin	10	2	...	0	8
Georgia	10	5	...	0	5
Florida	9	3	...	0	6
Nebraska	8	6	...	0	2
North Carolina	7	1	...	0	6
Tennessee	7	5	...	0	2
Oregon	6	2	...	1	3
Connecticut	6	2	...	0	4
Colorado	5	2	...	0	3
Washington	5	2	...	0	3
Kentucky	4	0	...	0	4
Utah	4	2	...	0	2
Louisiana	4	2	...	0	2
Alabama	4	3	...	0	1
Virginia	3	2	1	0	0
Kansas	3	3	...	0	0
Rhode Island	2	0	...	0	2
Hawaii	2	0	...	0	2
Arizona	2	1	...	0	1
District of Columbia	2	0	...	2	0
Oklahoma	1	1	...	0	0
Montana	1	1	...	0	0
Arkansas	1	1	...	0	0
Idaho	1	1	...	0	0
Delaware	1	1	...	0	0
Mississippi	1	1	...	0	0
West Virginia	1	1	...	0	0
Total	639	186	6	16	431

\*State records not checked.

### Comparison of Smelter List to EPA and State Databases

Of the 639 sites, 170 (27%) were listed in the US EPA Facility Index System database; 469 sites were not listed. Through a Freedom of Information Act request, US EPA regional offices reported having files on 14 additional sites (2%). After these 14 sites and 16 "office-only" locations were eliminated, approximately 435 of the 639 sites identified in the literature search (68%) were apparently unknown to the US EPA. A further 5 sites (all in Massachusetts) were listed by state authorities among the 8 states with the largest number of sites, which left about 430 previously unrecognized potential sites (67%).

Of the 170 sites with US EPA identification numbers, 14 were Superfund National Pri-

orities List sites, and 32 had had some action taken under the Resource Conservation and Recovery Act. Thus, 46 of the 170 sites (27%) that the US EPA already knew about were

deemed contaminated enough to require federal cleanup; many others are being addressed under state authority.

Table 1 summarizes and ranks the number of sites discovered, by state, including totals and the number already known to the federal and state authorities. (Site names and addresses are available from the corresponding author.) In the 8 states surveyed (New York, Illinois, Pennsylvania, California, New Jersey, Massachusetts, Texas, Michigan), only 5 (2%) of the 319 sites unknown to the federal government were known to state authorities.

### Smelter Verification

The American Bureau of Metal Statistics list is specifically given as "plant" locations. The *Standard Metal Directory* published a separate list of "Metal Smelters and Refiners," which often specified whether a site was a "plant" or "works" or listed specific equipment. In the *Standard Metal Directory*, 86 sites were cross-listed as "plant" sites.

Twenty possible smelter locations were confirmed from the Sanborn Company fire insurance maps: 5 in Massachusetts, 12 in Philadelphia, Pa, and 3 in Baltimore, Md.

Table 2 summarizes the preliminary investigations of sites in Baltimore and Philadelphia. Lead concentrations above US EPA guidelines for residential (400 mg/kg) or industrial (1000 mg/kg) land uses were found at 7 of 8 sites. Distances to residential or commercial districts are generally short, indicating a high potential for exposure to lead-contaminated soil and dust. Two sites we reported to authorities in 1994 (International Lead, Los Angeles, Calif, and Vickers Warehouse, Anderson, Ind) were found to have percentage levels of lead in soil, and cleanup has been ordered<sup>24</sup> (also J. Patel and J. Wakakuwa, California Dept of Toxic Substances Control, written communication, June 1996; H. Sacbfar, California Dept of Toxic Substances, written communication to H.B. Myers, RSR Corporation, August 1996, and to S. Berkin, Union Pacific Railroad, September 1996).

TABLE 2—Preliminary Investigation of Baltimore and Philadelphia Sites

Site Name	Soil Lead, mg/kg	Distance to Residences, blocks	City
Hanover Metals	730	1	Baltimore
Dixie Metals #1	306	1	Baltimore
Dixie Metals #2	520	2	Baltimore
North American Smelting	548	0	Philadelphia
Metro Smelting	2550	2	Philadelphia
Morgan Smelters	657	0	Philadelphia
J. Rosenthal Sons	1490	2	Philadelphia
Electric Storage Battery	1670	Unknown	Philadelphia

## Discussion

We identified approximately 430 potential lead-smelting sites previously unknown to federal and state authorities. Preliminary investigation of 10 sites indicated a high potential for exposure. This should create some sense of urgency for the investigation of the other sites identified here because they may represent a significant source of exposure to lead in their local environments. Our experience indicates that a significant fraction of the sites discovered in this work will require remediation. Most sites will not have viable responsible parties, which means that the state or the federal government will have to pay for any cleanup. □

## Contributors

W. P. Eckel performed all the library research and computerized database research, performed the field sampling, interpreted the analysis results, and wrote and edited the paper. M. B. Rabinowitz provided guidance to the research project as an expert in environmental lead, assisted in the editing and revision of the paper, and approved the final version. G. D. Foster provided overall direction of the research project, assisted in the editing and revision of the paper, and approved the final version.

## Acknowledgments

We thank Quanterra Laboratories of Pittsburgh, Pa, for soil sample analysis.

## References

1. Xintaras C. *Analysis Paper: Impact of Lead-Contaminated Soil on Public Health*. Atlanta, Ga: Agency for Toxic Substances and Disease Registry, Public Health Service; May 1992.
2. Agency for Toxic Substances and Disease Registry. *The Nature and Extent of Lead Poisoning in Children in the United States*. Report to 100th Cong, 2nd Sess (July 1988).
3. Robinson IM. Lead as a factor in the world economy. In: Nriagu JO, ed. *Biogeochemistry of Lead in the Environment*. Amsterdam, the Netherlands: Elsevier; 1978:100-109.
4. Radian Corp. *Evaluation of Paul Bergsøe and Son Secondary Lead Smelter*. Prepared for: Industrial Environmental Research Laboratory, Environmental Protection Agency, Cincinnati, Ohio, 1980. NTIS report PB80-176803.
5. *Secondary Lead Smelting. Background Information Document for Proposed Standards, Volume 1: NESIAP* (National Exposure Standards for Hazardous Air Pollutants). Research Triangle Park, NC: US Environmental Protection Agency; 1994. EPA-453/R-94-024a. NTIS report PB94-187556.
6. *Air Quality Criteria for Lead* [addendum was published in September 1986]. Research Triangle Park, NC: US Environmental Protection Agency; June 1986. EPA 600/8-83-018F.
7. Bogess WR, ed. *Lead in the Environment*. Washington, DC: National Science Foundation; 1977. NSF/RA-770214.
8. Lanphear BE, Matte TD, Rogers J, et al. The contribution of lead-contaminated house dust and residential soil to children's blood lead levels: a pooled analysis of 12 epidemiologic studies. *Environ Res*. 1998;79:51-68.
9. Jacobs DE. Lead-based paint as a major source of childhood lead poisoning: a review of the evidence. In: Beard ME, Iske SDA, eds. *Lead in Paint, Soil and Dust: Health Risk Exposure Studies, Control Measures and Quality Assurance*. Philadelphia, Pa: American Society for Testing and Materials; 1995:175-187. ASTM STP 1226.
10. National Academy of Sciences, National Research Council. *Measuring Lead Exposure in Infants, Children and Other Sensitive Populations*. Washington, DC: National Academy Press; 1993.
11. *Standard Metal Directory*. New York, NY: Atlas Publishing Company; 1931, 1940, 1946, 1950, 1954, 1963-1964.
12. *Year Book of the American Bureau of Metal Statistics*. New York, NY: American Bureau of Metal Statistics Inc; 1945-1973.
13. *Non-Ferrous Metals Data*. New York, NY: American Bureau of Metal Statistics Inc; 1974-1990.
14. *1994 Directory, Lead Industries Association*. New York, NY: Lead Industries Association; 1994.
15. *The Lead Industry: A Comprehensive Review*. Trail, BC: The Consolidated Mining and Smelting Company of Canada Ltd [Cominco]; 1946.
16. Moore TM. *Industry Organization in Non-Ferrous Metals* [dissertation]. Berkeley: University of California; 1951.
17. Charles River Associates. *The Economic Effects of Pollution Controls on the Nonferrous Metals Industry: Lead*. Prepared for: the Council on Environmental Quality, Washington, DC. 1971. NTIS report PB207-155.
18. Smith RC, Daley MR. *Domestic Secondary Lead Industry: Production and Regulatory Compliance Costs*. Washington, DC: Bureau of Mines, US Dept of Interior; 1987. Information Circular 9156.
19. State of New Jersey, Department of Environmental Protection. Site remediation program, known contaminated sites in New Jersey. Available at: <http://www.state.nj.us/dcp/srp>. Accessed September 1997.
20. Commonwealth of Pennsylvania, Department of Environmental Protection, Bureau of Land Recycling and Waste Management. Annual Report to the General Assembly Pursuant to the Hazardous Site Cleanup Act, Fiscal Year July 1, 1996 to June 30, 1997. October 1, 1997. Available at: <http://www.dcp.state.pa.us/dcp/deputato/airwaste/wm/hscop/docs/haca/an rpt96-97.pdf>. Accessed April 11, 2000.
21. Commonwealth of Massachusetts, Department of Environmental Protection, Bureau of Waste Site Cleanup. Waste site cleanup list. Available at: <http://www.state.ma.us/dep/bwsc/sites/sdown.htm>. Accessed April 5, 2000.
22. State of Michigan, Department of Environmental Quality, Environmental Response Division. Contaminated sites in Michigan. Available at: <http://www.deq.state.mi.us/erd/sites/misites.html>. Accessed September 14, 1999.
23. State of Texas, Texas Natural Resource Conservation Commission. List of Texas Superfund sites. Available at: <http://www.tnrc.state.tx.us/permitting/remed/superfund/city.html>. Accessed May 11, 2000.
24. US Environmental Protection Agency. Unilateral Administrative Order, In the Matter of: Vickers Warehouse Site, Anderson, Ind. Docket No. V-W-96-C-338. US EPA Region 5 (February 2, 1996).

**From:** <Smith.Donald@epamail.epa.gov>  
**To:** <pat.derosa@po.state.ct.us>  
**Date:** 9/20/01 11:02AM  
**Subject:** Former lead smelting sites

Pat,

A heads up. ABC news had a report on former lead smelting factories that are not listed by EPA or state agencies. The ABC story is based upon an article in the "American Public Health Journal" by William Eckel. I will fax the news story to you.

There are four CT sites listed:

David C. Sanford Co.	39 Drouve	Bridgeport	<del>Stratford</del>
Hamden Smelting Co.	30 Edmund St	Hamden	
Lapides Metal Corp	322 Legion Ave	New Haven	
Surf Metal Co.	240 Great Meadow Rd	Stratford	

It is not known if we will be required to check out these facilities.

Don

237 Wooster St.  
874 State St.

## Pat DeRosa - Alleged former lead smelter sites

---

**From:** Pat DeRosa  
**To:** Douglas Zimmerman; Thomas RisCassi  
**Date:** 1/28/02 9:17 AM  
**Subject:** Alleged former lead smelter sites  
**CC:** Elsie Patton

---

Doug, Tom,

You may remember back in September I forwarded an email to you to determine if we had any info about some alleged former lead smelter sites in your districts. EPA was trying to follow up on a news release about some otherwise unknown former lead smelters. At any rate, I told Don we didn't have anything in our databases about these sites.

Last week, I heard from Gary Lipson with EPA's removal program. It seems that Nancy Smith had asked him to conduct some driveby recons and gather some info on these sites to determine whether they need any EPA followup. Gary was trying to coordinate with us and see if we wanted any involvement. I corresponded with Don Smith and suggested that we go out with Gary and then followup with a pre-CERCLIS site screening with our recommendation as to adding the sites to CERCLIS. This helps EPA by giving them some documentation of followup and since we need beans for our work plan it enables us to use our grant money as well. If it turns out that these sites need Phase I and II investigation, we can decide if we want to do this under our MSCA or let EPA do it. Don said go ahead. (In order to prove our usefulness and timeliness to EPA, I would suggest completing these screenings this quarter if possible.)

At any rate, Gary is going to call me this week and let me know when he wants to do the drivebys. It will probably be next week some time. It would be good if the persons who you will want to do the Pre-CERCLIS screenings for the 2 sites in each district can meet Gary out there for the day to do the drivebys and perhaps do some Town Hall searches if there is time. He wants to visit all 4 sites in 1 day. Please let me know who you will assign this to and I can set it up with Gary.

Thanks, Pat



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
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## FACSIMILE TRANSMISSION

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To: Pat De Rosa

Fax: 860-424-4057

From: Don Smith

Date: 9-20-01

Number of pages including cover: 5

Return Fax: 617-918-1291

Message:

Lead smelting factories in CT



U.S. Environmental Protection Agency  
Region 1 - New England

Donald Smith

Fax: 617.918.1291  
1 Congress Street, Suite 1100 (NBS)  
Boston, MA 02114-2023

617.918.1433  
smith.donald@epa.gov

**abcNEWS.com****Lead-Filled Lots**

— Hundreds of former lead smelting factory sites, some next to residential neighborhoods, could contain toxic levels of lead and no regulatory agency is aware of them, according to a new survey

The study, released in the *American Public Health Journal*, cites 430 former lead smelting factories that are apparently not listed by the Environmental Protection Agency or local Health Departments.

"It's a potentially dangerous finding," said William Eckel, who conducted the study as part of his doctoral thesis at George Mason University in Fairfax, Va. He did the investigation in collaboration with his advisor, Gregory Foster and Michael Rabinowitz, a geochemist with the Marine Biological Laboratory in Woods Hole, Mass.

**Potentially Hazardous Lead Levels in Soil**

In the study, Eckel lists the sites of 640 former lead smelting factories in 35 states, which he says are filled with potentially hazardous levels of lead in the soil. Most of the sites are concentrated in industrial centers including Brooklyn, N.Y., Detroit, Baltimore, Los Angeles and Chicago. Eckel said he found the sites by looking in old industry directories and cross checked his findings with federal and state databases. He spent six years combing through the databases and books.

Lead smelting factories reclaim the lead in items such as car batteries and convert it back to pure lead and lead alloys. To counter the leeching of contaminants sites are either paved over or cleaned up by EPA officials. But Eckel claims that at least 430 or two-thirds of former lead

smelting sites he identified were not known by the EPA or by State Departments of Health and therefore weren't paved over or cleaned up.

Although Eckel currently works at the Environmental Protection Agency, the EPA had nothing to do with his study and would not comment on the findings.

"It's impossible for us to comment on a study that we haven't even seen," said EPA spokesman Chris Paulitz. "Also, it is hard for us, as a new agency, to comment on what a previous agency [under former President Clinton] may or may not have done in terms of listing potential hazardous sites."

### Potential For Great Lead Damage

Eckel, who now works at the pesticides division of the EPA, said that his study should send out an alarm. "If these sights are still contaminated and haven't been paved over there is potential for great lead damage here," he said.

While touring several sites in Pennsylvania and Baltimore Eckel noted that more than a few were just across from homes. One site was actually underneath an elevated section of a freeway next to the Orioles Stadium in Baltimore. When he tested these sites their lead levels exceeded those allowed by federal law for industrial sites and seven of the sites had levels exceeding the residential maximum.

"Not all the sites are necessarily contaminated, but they should all be checked out," Eckel said.

Large amounts of lead in a child's blood can cause brain damage, mental retardation, behavior problems, anemia, liver and kidney damage, hearing loss, hyperactivity, developmental delays and in extreme cases,



death. There is new evidence that lead poisoning is harmful at blood levels once thought safe. Lower IQ scores, slower development and more attention problems have been observed in children with very low lead levels.

"Lead affects nearly every system of the body," says Barbara Materna, chief of the Occupational Lead Poisoning Prevention Program of the California Department of Health Services. Because it can cause so much damage, lead is the only environmental toxin for which children are routinely screened. Lead in the bloodstream can also lead to nerve damage and kidney failure and, in adults, infertility, miscarriages, and an inability to produce red blood cells.

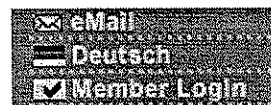
The sites that Eckel found have as high as 10 percent lead by weight in soil. The EPA standard is 0.04 percent in residential areas and 0.1 percent in industrial areas. Some of the sites are in Boston, Buffalo, Chicago, Dallas, Detroit, Houston, Jersey City, Los Angeles, Newark, New York, Philadelphia, Pittsburgh, and San Francisco. ☐

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## → News Article

2001-04-05

### Lead-Filled Lots: Study Says Potentially Toxic Sites Unlisted

Hundreds of former lead smelting factory sites, some next to residential neighborhoods, could contain toxic levels of lead and no regulatory agency is aware of them, according to a new survey.

The study, released in the American Public Health Journal, cites 430 former lead smelting factories that are apparently not listed by the Environmental Protection Agency or local Health Departments. "It's a potentially dangerous finding," said William Eckel, who conducted the study as part of his doctoral thesis at George Mason University in Fairfax, Va. He did the investigation in collaboration with his advisor, Gregory Foster and Michael Rabinowitz, a geochemist with the Marine Biological Laboratory in Woods Hole, Mass.

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Although Eckel currently works at the Environmental Protection Agency, the EPA had nothing to do with his study and would not comment on the findings. "It's impossible for us to comment on a study that we haven't even seen," said EPA spokesman Chris Paulitz. "Also, it is hard for us, as a new agency, to comment on what a previous agency [under former President Clinton] may or may not have done in terms of listing potential hazardous sites."

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**From:** Rich Hathaway  
**To:** Pat DeRosa  
**Date:** 10/1/01 1:20PM  
**Subject:** Fwd: Former lead smelting sites

Lapides Metal on Legion Avenue, New Haven is across the street (south of) the Route 34, New Haven site at Legion Avenue and North Frontage Rd. (Urban Sites project). Lapides is mentioned as a possible off-site source in the Phase I report for the Route 34 site prepared about 1994 by Diversified Technology Corporation. It is in a GB area, and groundwater flow is to the west. There are some elevated lead concentrations in shallow soil (fill) which contains ash and slag at the Route 34 site. Ash and slag occurrences in the shallow fill are believed related to the former use of coal in the general area, not likely related to Lapides.

**CC:** Thomas RisCassi

**From:** Thomas RisCassi  
**To:** Hathaway, Rich; Windisch, Shannon  
**Date:** 10/1/01 9:40AM  
**Subject:** Fwd: Former lead smelting sites

Please let Pat know if this lead smelter is among the Route 34 Project sites.

**From:** Pat DeRosa  
**To:** Elsie Patton; Michael Harder; supers  
**Date:** 9/26/01 12:39PM  
**Subject:** Fwd: Former lead smelting sites

I am forwarding the attached email from Don Smith, EPA pre-remedial, to see if any of you have any information, or can suggest someone who might have info, on these sites. I checked our Site Discovery and Remediation Section databases and don't find any clear matches to sites we are aware of. The closest matches I could find are a Rykar Corp site, address listed just as "Great Meadows" in Stratford (State Id#437) and a "Route 34 site" in New Haven listed in the Remediation database. Please let me know if these may be the same sites or you have any info and I will let Don know. Also, I have a paper copy of the news story if anyone is interested.

Thanks, Pat



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## Lead-Filled Lots

Study Says Potentially Toxic Sites Unlisted

By Rose Palazzolo

abc NEWS.com

April 3 — Hundreds of former lead smelting factory sites, some next to residential neighborhoods, could contain toxic levels of lead and no regulatory agency is aware of them, according to a new survey.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 1

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BOSTON, MASSACHUSETTS 02114-2023

July 31, 2002

Mr. Alan Buzzetti  
CT Division of Environmental Health, LEMU  
410 Capital Avenue  
MS#51LED  
Hartford, CT 06106

Reference: Info on Lead Smelters

Dear Mr. Buzzetti:

Enclosed is the latest listing of defunct Lead Smelters. I thought you might be interested in this link to a list of former lead smelter sites. It is based on historical records compiled by a William Eckel (Pesticides program a colleague of Ann Carroll's (carrol.ann@epa.gov) ) as part of his doctoral thesis.

His research found significant levels of contamination at many sites. You may go to ([http://www.leadprevention.org/web/uploads/site\\_locations\\_Lead\\_Smelters-Eckel\\_report.doc](http://www.leadprevention.org/web/uploads/site_locations_Lead_Smelters-Eckel_report.doc)) or refer to the attached.

Ann has also forwarded this list to the brownfield coordinators so you may want to pursue any followup with them. Let Ann know (202-260-3097) if this information proves useful or you might just want to say hi.

Sincerely,

A handwritten signature in black ink, appearing to read "JBryson".

James M. Bryson, Manager  
TSCA Lead and Asbestos Program  
Office of Ecosystem Protection

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Supplementary Material

Appendix A: Battery Lead Smelters

Appendix B: Babbitt Metal and Solders Smelters

## Appendix B

### "Babbitt and Solder Manufacturers" sites Unknown to Federal and State Authorities

<u>Site</u>	<u>Address</u>	<u>City</u>	<u>MSR</u>
(State: Connecticut, Region I)			
David C. Sanford Co.	39 Drouve	Bridgeport	
Hamden Smelting Co. Inc.	30 Edmund St	Hamden	plant
Lapides Metal Corp.	322 Legion Ave	New Haven	equip
Surf Metal Co.	240 Great Meadow Rd	Stratford	
(State: Massachusetts, Region I)			
Eastern Smelting & Refining Corp.	109 W. Brookline St	Boston	
General Metals & Smelting Co.	47 Burnham	Boston	
Harcon Corp.	523 Dorchester Ave	Boston	
Shawmut Smelting Co.	455 Columbia	Cambridge	
Charlestown Smelting Co.	235 Medford	Charlestown	
Harcon Corp.	105 5th St.	Chelsea	
Vulcan Smelting Works	115 Fifth	Chelsea	
Nick, Herman, & Co. Inc.	140 Granite Ave.	Dorchester	
Massachusetts Smelting & Refining Co.	257 3rd	E. Cambridge	
Acme Smelting Co. of Mass.	413 2nd	Everett	
Acorn Type Foundry	273 Lee Burbank Hwy	Revere	equip
Nick, Herman, Co., Inc.	135 Linwood St.	Somerville	
Brackett, Henry F. & Co.	587 E. 1st	South Boston	
Coran Bros. Corp.	509 E. 2nd	South Boston	
(State: Rhode Island, Region I)			
Union Smelting & Refining Works	358 Public St.	Providence	
Union Smelting & Refining Works	604 S. Main St.	Providence	
(State: New Jersey, Region II)			
Wolf, Jacques & Co.	350 Lexington Ave.	Clifton	
New Jersey Metals Co.	712 Rockefeller	Elizabeth	
Jackson Metal Co.	508 5th St.	Hoboken	